For Research Use Only

CCF642

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Catalog Number: CM06639

产品信息

Catalog Number:
CM06639

CAS号:
346640-08-2

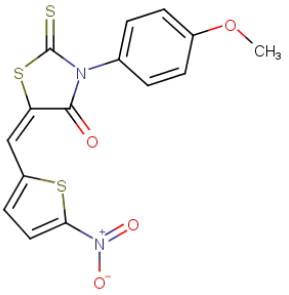
分子式:
$C_{15}H_{10}N_2O_4S_3$

主要靶点:
Others

主要通路:
其他

分子量:
378.45

溶解度:
DMSO:7.6 mg/mL (20 mM)



靶点活性

PDI:2.9 μ mol/L

体外活性

In vitro, CCF642 inhibits PDI reductase activity about 100-fold more potently than the structurally distinct established inhibitors PACMA 31 and LOC14. Computational modeling suggests a novel covalent binding mode in active-site CGHCK motifs. CCF642 causes acute ER stress in multiple myeloma cells accompanied by apoptosis-inducing calcium release[1].

体内活性

CCF642 displays potent efficacy in an aggressive syngeneic mouse model of multiple myeloma and prolongs the lifespan of C57BL/KaLwRij mice engrafted with 5TGM1-luc myeloma, an effect comparable to the first-line multiple myeloma therapeutic bortezomib[1].

描述

CCF642 is a novel PDI-inhibiting compound with antimyeloma activity.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years